BRUHAT BANGALORE MAHANAGARA PALIKE, YELAHANKA ZONE

Executive Engineeer
Byatarayanapura Division
B.B.M.P., Bangalore - 92

SCHEDULE-B

Issued to : **Original / Duplicate**

Name of the Work : Construction of school building in Narasipura in Ward No. 09 in Vidyaranyapura sub division.

Sl. No.	Quantity.	Description	Unit	Rates	
				In Figures	In Words
1	186.78	Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for foundations, footings, bases of **columns** for mass concrete including cost of all materials, labour etc complete as per specifications and directions of engineer in charge of the work.	Sqm	226.48	Rupees Two Hundred Twenty Six and Forty Eight Paise Only
2	5.76	Providing and removing centering, shuttering, strutting, propping etc., for **chajjas**, corbels etc., including edges including cost of all materials, labour etc complete as per specifications and directions of engineer in charge of the work.	Sqm	248.74	Rupees Two Hundred Forty Eight and Seventy Four Paise Only
3	180.55	Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for flat surface such as suspended floors, **roofs**, landings, balconies and likes, thickness upto 200 mm including cost of all materials, labour etc complete as per specifications and directions of engineer in charge of the work.	Sqm	290.08	Rupees Two Hundred Ninety and Eight Paise Only
4	53.93	Providing and laying in position **reinforced cement concrete of design mix M20 with OPC cement @ 320 Kgs with 20mm** and down size graded granite metal coarse aggregates @ 0.878cum and fine aggregates @ 0.459 cum wuth superplastisier @ 3lts confirming to IS 9103-1999 reaffirmed-2008, machine mixed, concrete laid in layers not exceeding 15 cms thick, vibrated for all works **in foundation plinth and ground floor level for roof slabs, staircase, lintels, retaining walls, return walls, wall** (any thickness) including attached plasters, columns, piers, abutments, pillars, posts, struts, buttresses, string or lacing courses, parapets, coping, bed blocks, anchor blocks, plain window cills, fillets etc., including cost of all materials, labour, HOM of machinery, curing etc complete	Cum	5635.32	Rupees Five Thousand Six Hundred Thirty Five and Thirty Two Paise Only
5	5.76	Providing and laying in position reinforced cement concrete ofmix M20 with OPC cement @ 24kgs, with 12 mm and down size graded granite metal coarse aggregates @ 0.5175 cum and fine aggregates @ 0.345 cum with superplastisiser @ 0.225lts,machine mixed, well compacted for plain chajja of 7.5 cms. average thickness, upto ground floor lever, including cost of all materials, labour, HOM of machinery, curing,etc complete as per specifications and directions of engineer in charge of the work.	Sqm	411.98	Rupees Four Hundred Eleven and Ninety Eight Paise Only

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6	67.99	Providing **mild steel reinforcement for R.C.C** work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost pf materials, labour, HOM of machinery etc complete as per specifications and directions of engineer in charge of the work.	Qntl	7312.94	Rupees Seven Thousand Three Hundred Twelve and Ninety Four Paise Only
7	47.24	Providing and constructing burnt brick masonry with approved quality of modular bricks of standard size of **class designation 50 (table moulded) with cement mortar 1:6 for basement and superstructure** including cost of materials, labour charges, scaffolding, curing etc complete as per specifications and directions of engineer in charge of the work.	Cum	5889.72	Rupees Five Thousand Eight Hundred Eighty Nine and Seventy Two Paise Only
8	163.20	Providing and laying integral cement based waterproofing treatment including preparation of surface as required for treatment of roofs, balconies, terraces etc, consisting of following application. (a) Applying and grouting a slurry coat of neat cement using 2.75kg/sqm conforming admixed with proprietary water proofing compound conforming to IS:2645 over the RCC slab after cleaning the surface before treatment, (b) laying cement concrete using broken brick bats 25mm to 100mm size with 50% of cement mortar 1:5 admixed with proprietary water proofing compound conforming IS:2645 over 20mm thick layer of cement layer of cement mortar 1:5 admixed with proprietary water proofing compound to required slope and treating similarly the adjoining walls upto 300mm height including rounding off junction of walls and slabs, (c) after two days of proper curing, applying a second coat of cement lurry admixed with proprietary water proofing compound (d) Finishing the surface with 20mm thick jointless cement mortar of mixng, specification and direction including cost of conveyance, manufacturing painting with 2 coats enamel paint over one	Sqm	785.10	Rupees Seven Hundred Eighty Five and Ten Paise Only
9	295.06	Providing 12mm thick cement plaster in single coat with cement mortar 1:3, to ceiling including rounding off corners wherever required smooth rendering, : Providing and removing scaffolding, including cost of materials, labour, curing etc complete as per specifications and directions of engineer in charge of the work.	Sqm	169.24	Rupees One Hundred Sixty Nine and Twenty Four Paise Only
10	215.61	Providing 20mm thick cement plaster in single coat with cement mortar 1:4, to stone masonry including rounding off corners wherever required smooth rendering, : Providing and removing scaffolding, including cost of materials, labour, curing etc complete as per specifications and directions of engineer in charge of the work.	Sqm	205.28	Rupees Two Hundred Five and Twenty Eight Paise Only
11	510.67	Providing lime rendering for plastering to wall and ceiling, including cost of materials, labour, curing etc complete as per specifications and directions of engineer in charge of the work.	Sqm	25.08	Rupees Twenty Five and Eight Paise Only
12	6.86	Providing wall black boards in CM 1:3 two coats of black paint including finishing etc complete as per specifications and directions of engineer in charge of the work.	Sqm	839.16	Rupees Eight Hundred Thirty Nine and Sixteen Paise Only

	Quantity.	Description	Unit	Rates	
				In Figures	In Words
13	352.09	Providing 18mm thick cement plaster in single coat with cement mortar 1:6, to brick masonry including rounding off corners wherever required smooth rendering, providing and removing scaffolding, including cost of materials, labour, curing etc complete as per specifications and directions of engineer in charge of the work.	Sqm	171.36	Rupees One Hundred Seventy One and Thirty Six Paise Only
14	5.04	Supply and fixing pressed steel door frames size 125x65 mm manufacture from 1.25mm thick carbon steel or imported steel strips with mitred joints of 900 for door openings and sutters made out of seasoned honne wood, styles of 30mm, thick with lock rail of 160mm, width, top and side rails of 100mm, width width and bottom rails of 250 mm width and panel filling with 12mm thick particle board of exterior grade bonded with phenol formal dehide resin and the shutter shall be not proof, vermin proof, heat resistant guaranteed against shrinkage, warpage and such other defects for a period of 3 years, this shall be as per approved drawings, specification and direction including cost of conveyance, manufacturing, painting wit enamel paint 2 coats over primer coat, cost of labour for all items of work, machinery, equipment and all other incidental charges with all lead, lift, loading and unloading etc, complete the hollow portion of the frame to be filled with	Sqm	3710.00	Rupees Three Thousand Seven Hundred Ten Only
15	10.80	"Supplying and fixing pressed steel window frame of size 100x50mm manufacture from 1.25 mm thick carbon steel or imported steel strips with neat mitred joints at 900degree for window openings and shall be suitable to fix M.S grills as per design and drawings using 12mm dia roads at 100mm centre to centre horizontally and two members of M.S flats of 6mmx40mm size at 150mm apart, welded into a frame of 6mmx40mm size M.S flats with 16mm size lugs, and 8nos, of 100mm size hinger, 4nos of butt stay pins and 4nos, tower bolts and shutters half paneled and half glazed with shutters made out of seasoned honne wood, styles of 30mm thick and 100 mm width and rails of 30mm thick and 100 mm width and using 4mm thick pin headed glass and panel, filling with 12mm thick particle board of exterior grade bonded with phenol formal dehide resin and the shutter shall be rot proof vermin proof, heat resistant guaranteed against shrinkage, warp age and such other defects for a period of 3 years, this shall be as per	Sqm	4028.00	Rupees Four Thousand Twenty Eight Only
16	149.20	Flooring with **25mm to 40mm thick polished Thandur blue stone slabs** using cement mortar 1:6, 25mm thick over existing cement concrete bed or top roof laid to line and level and jointed with cement slurry mixed with pigment to match the shade of the slab, including cost of materials, labour, curing, polishing etc complete as per specifications and directions of engineer in charge of the work.	Sqm	1017.60	Rupees One Thousand Seventeen and Sixty Paise Only
17	510.67	Providing and applying two coats with oil bound washable distemper of approved brand and shade on wall surface including priming coat with distemper primer after thoroughly brooming the surface free from mortar drops and other foregin matter including preparing the surface even and sand paper smooth, cost of materials, labours, etc complete as per specifications and directions of engineer in charge of the work.	Sqm	59.36	Rupees Fifty Nine and Thirty Six Paise Only

Sl. No.	Quantity.	Description	Unit	Rates	
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18	352.09	Providing and finishing external walls in tow coats with water proof cement paint of approve brand and shade to give an even shade after thourghly brooming the surface to remove all dirt and losse powdered material, free from mortar dops and other foreign matter cost of materials, labours, etc complete as per specifications and directions of engineer in charge of the work.	Cum	78.44	Rupees Seventy Eight and Forty Four Paise Only
19	50.00	**Groove Cutting :** Supplying ... dia 2mm/2.5mm thick heavy gauage PVC Conduit Pipe with bends metal junction boxes adhesive paste etc., and bracing U or J hooks and cement plastering up to the surface of the brick level and run with 18 SWG GI fish wire run through out the conduit wherever necessary 32 mm dia 2.5mm thick etc complete as per specifications and directions of engineer in charge of the work.	Mtrs	68.00	Rupees Sixty Eight Only
20	5	Supplying and flush mounting teak wooden box with out front plank made of not less than 12mm thick wood after due groove cutting necessary masonry patch work complete 10"X7"X3" (300X228X76mm).etc complete as per specifications and directions of engineer in charge of the work.	Each	68.00	Rupees Sixty Eight Only
21	5	8"X6"X3" (300X228X76mm)		52.00	Rupees Fifty Two Only
22	15	Supplying and fixing PVC/metal conduit accessories special type Junction Box 32 mm Junction Box (I. 5/P. 3) etc complete as per specifications and directions of engineer in charge of the work.	Each	29.00	Rupees Twenty Nine Only
23	8	Deep 32 mm Junction Box		33.00	Rupees Thirty Three Only
24	5	Fan Box 18 /SWG		57.00	Rupees Fifty Seven Only
25	8.00	Point Wiring using copper wire with switch Supplying and wiring adopting loop system in existing PVC Conduit / casing caping using Copper PVC insulated multi strand 2x1.5 Sqmm copper wire with a 6 Amps flush type SP control switch shall be fixed on the existing plastic sheet gang box the other end of the wires shall be terminated with sufficient loose length in a wood PVC round block complete for each outlet Point Wiring using Class A Materials a) Short point upto 3Mtr from tapping point to out let via switch etc complete as per specifications and directions of engineer in charge of the work.	Each	175.00	Rupees One Hundred Seventy Five Only
26	10.00	b) Medium point above 3mtr upto 6mtr from tapping point to out let via switch		260.00	Rupees Two Hundred Sixty Only
27	6.00	C) Long point above 6mtrs upto 10mtrs from tapping point to outlet via switch		368.00	Rupees Three Hundred Sixty Eight Only
28	6.00	Supplying and fixing superior quality modula switch mounting polyorbonate plate with ncecessary supporting back plate with required nos. of machines screwes, bolts nuts etc., complete on the existing metal/PVC 1 to 3 Modular box etc complete as per specifications and directions of engineer in charge of the work.	Each	82.00	Rupees Eighty Two Only

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29	6.00	8 Modular		175.00	Rupees One Hundred Seventy Five Only
30	15	Supplying and fixing of modular switch / socket/Stepped electrical fan regulator / dimmer / telephone socket etc on existing modular switch plate 6Amps one way etc complete as per specifications and directions of engineer in charge of the work.	Each	96.00	Rupees Ninety Six Only
31	8	6Amps 3way Socket.		165.00	Rupees One Hundred Sixty Five Only
32	5	Stepped Fan Regulator		520.00	Rupees Five Hundred Twenty Only
33	4	Supply patty type fluorescent tube light fitting of 4' - 36/40 watts fluorescent tube fitting, made out of M.S. Sheet and stove enameled with low loss open construction copper wound ferromagnetic ballast, starter, locking, locking type brass contact holder mounted on double fold type sheet base fully wired for used on 230 Volts A C Supply including fluouresecent tube Group 'A' etc complete as per specifications and directions of engineer in charge of the work.	Each	380.00	Rupees Three Hundred Eighty Only
34	5	Supplying of Incandescent lamps etc complete as per specifications and directions of engineer in charge of the work.		14.00	Rupees Fourteen Only
35	4	Supplying capacitor type ceiling fan complete with down rod blades, shackle, canopies etc., for operation on 230 volts, 50 cycles. Single phase AC supply conforming to ISS-374-1979 and with double ball bearing system KPWD SR 2010-11 (P-23, I-23) Regulator Model (Khaitan, Crompton Geaves, Orient, Polar, Bajaj, Usha, Havells, Almonard 56" Sweep (1400 mm) etc complete as per specifications and directions of engineer in charge of the work.	Each	1950.00	Rupees One Thousand Nine Hundred Fifty Only
36	1	Supplying and fixing 32Amps security and energy savings DP switch with key tag suitable to operate on 230 Volts 50Hz AC supply & completely wired on existing box Group Aetc complete as per specifications and directions of engineer in charge of the work.	Each	630.00	Rupees Six Hundred Thirty Only
37	1	Supplying an fixing one of 230 volts PBBC bakelite staight or slant batten holder and wiring with in 60w/230 Volts lamps etc complete as per specifications and directions of engineer in charge of the work.	No	60.00	Rupees Sixty Only
38	1	Supplying and fixing miniature circuit breakers on existing MCB distribution boards using necessary fixing materials and wiring complete as required 5-32 Amps etc complete as per specifications and directions of engineer in charge of the work.	Each	560.00	Rupees Five Hundred Sixty Only
39	1	Supply and fixing polished wood board made of not less than 15mm thick plank on both sides with planks made out of not more than 2 pieces and fixing the same to the wall using tapered inverted wooden plugs screws etc 20"x20"x2.5" etc complete as per specifications and directions of engineer in charge of the work.		285.00	Rupees Two Hundred Eighty Five Only
40	1	Supplying and fixing of porcelain fuse channel with cut out on existing wooden /panel using necessary nuts, bolts and washers etc complete 32 Amps etc complete as per specifications and directions of engineer in charge of the work.		100.00	Rupees One Hundred Only

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41	1	Supplying, fixing, wiring, earth electrode for grounding conduits, I.C cutouts and other equipment on the meter board using 40mm dia 2.90 thick GI pipe 2.5 mtr long buried in a pit.. The pit should be filled with equal proprotion of salt and charcol 150mm alround the pipe to complete depth. The connection from the pipe to the conduit etc, is to be established through GI wire of size as oer ISI specification 7.3.3 of Is 732 using 12mm dia nuts, washers and checknuts etc the pipe shall have 16 through holes of 122 mm dia etc complete as per specifications and directions of engineer in charge of the work.	No	1950.00	Rupees One Thousand Nine Hundred Fifty Only
42	20.00	INSULATED CABLE ON MESSENGER WIRE Using 2 single core wires for a single phas and 4 single core wies for 3 phase supplying and stringing PVC insulated and PVC sheathed 650/1100V class aluminium conductor of size supported by 3.15mm (10 SWG) GI messenger wire with two breaks insulators, one at each end of the span wit suspenders at intervals of 0.75m. Each suspender shall be of porcelain reel insulator of suitable core through which insulated wire passes (single core or twin core as the case may be) and this reel insulator shall be fixed to the messanger wire using 2mm (No. 14SWG) GI wire suitably bent and twisted. Separate reel insulated shall be provided for each wire the messanger wire shall be bed-ended on the clamp provided to the departmental pole wide etc complete as per specifications and directions of engineer in charge of the work.	Mtr	45.00	Rupees Forty Five Only

Signture of the Contractor

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